

CONTRIBUTION TO THE BRYOPHYTES OF THAILAND, II.

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This paper gives the results of a review of collections of bryophytes sent to the senior author from the Botanical Section of the Department of Agriculture, Bangkok, Thailand. The specimens have been identified by the junior author. The original specimens, many collected for the project "Flora of Thailand", are in the herbarium of the Botanical Section of the Department of Agriculture in Bangkok, Thailand. Duplicates are in the United States National Herbarium, Washington, D.C. and/or in the Reed Herbarium, Baltimore, Maryland.

The following list includes 3 species of Hepaticae and 49 species of Musci. Ecological data in regard to habitat are included where available.

HEPATICAE

Lophocoleaceae

Chiloscyphus argutus Nees Doi Sutep, Chiangmai, c. 1100 m. on rock in running water. Mar. 23, 1965. C.Chernsivathana 18 and 19.

Frullaniaceae

Frullania tenuicaulis Mitt. Pilock, Kanburi, c. 1000 m., common on wet rock. Feb. 24, 1967. C.Chernsivathana 704.

Lejeuneaceae

Lejeunea riparia Mitt. Doi Sutep, Chiangmai, c. 1100 m., on surface of rocks near running water. Mar. 23, 1965. C.Chernsivathana 21.

MUSCI

Fissidentaceae

Fissidens nobilis Griff. Doi Sutep, Chiangmai, on dry surface of rock. Mar. 23, 1965. C.Chernsivathana 17.

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Fissidens sylvaticus Griff. Hui Yang, Prachuap, on wet soil in evergreen forest. Oct. 24, 1964. C.Chermsirivathana 12.

Ditrichaceae

Garckea comosa (Doz. et Molk.) Wijk et Marg. (G. phascoides (Hook.) C.Mull.). Pilock, Kanburi, c. 1000 m., on wet ground, with Pogonatum junghuhnianum and Dicranella brasiliensis. Feb. 24, 1967. C.Chermsirivathana (710); Kao Yai, Saraburi, on ground in evergreen forest, with Dicranella brasiliensis. Oct. 14, 1964. C.Chermsirivathana 7a.

Wilsoniella pellucida (Wils.) C.Mull. Kaoyai, Nakorn-nayok, c. 600-700 m., on bare soil along road. Mar. 17, 1965. Kasem 432.

Dicranaceae

Campylopus ericoides (Griff.) Jaeg. Doi Pui - Doi Sutep, c. 1600-1100 m., on rocks in evergreen forest. Mar. 25, 1965. C. Chermsirivathana 32.

Campylopus gracilis (Mitt.) Jaeg. Doi Pui, c. 1600 m., on bark of tree trunk in evergreen forest. Mar. 25, 1965. C.Chermsirivathana 23.

Dicranella brasiliensis (Dub.) Bartr. Kao Yai, Saraburi, on ground in evergreen forest, with Garckea comosa. Oct. 14, 1964. C.Chermsirivathana 7; Pilock, Kanburi, c. 1000 m., on wet ground, with Garckea comosa and Pogonatum junghuhnianum. Feb. 24, 1967. C.Chermsirivathana 710.

Dicranella (Microdus) miquelianus (Mont.) Jaeg. Kaokheo, Nakorn-nayok, c. 1100 m., growing on fine sandy soil. Mar. 21, 1965. Kasem 500.

Holomitrium griffithianum Mitt. Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk in evergreen forest, with Macromitrium sulcatum and Brachymenium nepalense. Mar. 25, 1965. C.Chermsirivathana 26.

Leucobryaceae

Leucobryum javense (Brid.) Mitt. Pilock, Kanburi, c. 1000 m. growing on ground in shade. Feb. 24, 1967. C.Chermsirivathana 707.

Leucobryum sanctum Hampe Kaoyai, Nakorn-nayok, c. 600-700 m., on rotten log in evergreen forest. Mar. 17, 1965. Kasem 430.

Leucobryum scalare C.Mull. Kao Yai, Saraburi, on tree trunk in evergreen forest. Oct. 14, 1964. C.Chermsirivathana 9.

Ochrobryum kurzianum Hampe Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk in evergreen forest. Mar. 25, 1965. C.Cherm-sirivathana 35.

Octoblepharum albidum Hedw. Brong Canal, Chocmpair, Kornkan, on tree in evergreen forest. Feb. 15, 1963. Adisai Chantanamuck 305.

Pottiaceae

Hyophila involuta (Hook.) Jaeg. Prew Waterfall, Chantaburi, on rock in waterfall. Dec. 2, 1964. Sakol 299.

Funariaceae

Funaria hygrometrica Hedw. Doi Nang, Chiengdao, Chiengmai, growing on rock in loamy soil. Nov. 13, 1963. Adisai Chantanamuck 658; Doi Pui - Doi Sutep, c. 1600-1100 m., on bare soil. Mar. 25, 1965. C.Cherm-sirivathana 33.

Bryaceae

Brachymerium nepalense Hook. Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk in evergreen forest. Mar. 25, 1965. C.Cherm-sirivathana 26B.

Bryum coronatum Schimp. Kao Yai, Saraburi, on piece of old cement in evergreen forest. Oct. 14, 1964. C.Cherm-sirivathana 5.

Rhodobryum giganteum (Hook.) Schimp. Doi Luang, Chiengdao, Chiengmai, on rock, wet place in evergreen forest. Nov. 10, 1963. Adisai Chantanamuck 640.

Rhodobryum roseum (Hedw.) Limpr. Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk. Mar. 25, 1965. C.Cherm-sirivathana 29.

Rhizogoniaceae

Rhizogonium spiniforme (Hedw.) Bruch Kaoyai, Nakorn-nayok, c. 600-700 m., growing on stone by stream. Mar. 17, 1965. Kasem 429; same loc., on rotten log in evergreen forest. Kasem 431.

Bartramiaceae

Philonotis turneriana (Schwaegr.) Mitt. (?) Pilock, Kanburi, c. 1000 m., growing on wet ground. Feb. 24, 1967. C.Cherm-sirivathana 709.

Orthotrichaceae

Groutiella goniorhyncha (Doz. et Molk.) Wijk et Marg. Kaoyai, Nakorn-nayok, c. 600-700 m., growing on tree trunk in evergreen forest. Mar. 17, 1965. Kasem 433.

Macromitrium sulcatum (Hook.) Brid. Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk in evergreen forest. Mar. 25, 1965. C.Chernsirivathana 26a.

Rhacopilaceae

Rhacopilum schmidii (C.Mull.) Mitt. Kao Yai, Saraburi, on bark of trees in evergreen forest. Oct. 14, 1964. C.Chernsirivathana 2.

Myuriaceae

Myurium rufescens (Reinw. et Hornsch.) Fleisch. Doi Pui - Doi Sutep, c. 1600-1100 m., on bark of fallen trees in evergreen forest. Mar. 25, 1965. C.Chernsirivathana 24.

Neckeriaceae

Calyptothecium wightii (Mitt.) Fleisch. Kao Yai, Saraburi. Oct. 14, 1964. C.Chernsirivathana 8.

Himantocladium scrobiculatum (Nees) Bartr. Fang-Chiangmai, on tree branches in deciduous forest. Mar. 18, 1965. C.Chernsirivathana 14.

Homaliodendron flabellatum (Smith) Fleisch. Pilock, Kanburi, c. 1000 m., growing on wet rock. Feb. 24, 1967. C.Chernsirivathana 71l.

Neckeropsis gracilentia (Bosch et Lac.) Fleisch. Kao Tan, Chaiya, Surat, on tree trunk in evergreen forest. July 12, 1966. Sakol 1257A.

Neckeropsis lepineana (Mont.) Fleisch. Kao Tan, Chaiya, Surat, on tree trunk in evergreen forest. July 12, 1966. Sakol 1257B.

Meteoriaceae

Meteoriopsis ancistrodes (Ren. et Card.) Broth. Doi Pui - Doi Sutep, c. 1600-1100 m., on bark of fallen trees in evergreen forest. Mar. 25, 1965. C.Chernsirivathana 24.

Leskeaceae

Thuidium cymbifolium (Doz. et Molk.) Bosch et Lac. Doi Sutep, on dry rocks in running water, Chiangmai. Mar. 23, 1965. C.Chernsirivathana 16; Pilock, Kanburi, c. 1000 m., on wet rock. Feb. 24, 1967. C.Chernsirivathana 712.

Thuidium meyenianum (Hampe) Bosch et Lac. Kao Yai, Saraburi, on tree in evergreen forest. Oct. 14, 1964. C.Chernsirivathana 3.

Brachytheciaceae

Rhynchostegium vagans (Harv.) Jaeg. Pilock, Kanburi, c. 1000 m., on wet ground. Feb. 24, 1967. C.Chernsivathana 714.

Entodontaceae

Entodon angustifolius (Mitt.) Jaeg. et Sauerb. Doi Sutep, Chiangmai, on tree trunk near waterfall. Mar. 23, 1965. C.Chernsivathana 15.

Sematophyllaceae

Acanthocladium surculara (Mitt.) Broth. Doi Pui - Doi Sutep, c. 1600-1100 m., on tree trunk in evergreen forest. Mar. 25, 1965. C.Chernsivathana 30.

Clastobryum indicum (Doz. et Molk.) Doz. et Molk. See Horikawa and Ando, p. 34. 1964. Kao Yai, Saraburi, on tree trunk in evergreen forest. Oct. 14, 1964. C.Chernsivathana 10.

Sematophyllum tristiculum (Mitt.) Fleisch. Kaokheo, Nakorn-nayok, c. 1100 m., on twigs on misty hill-top. Mar. 21, 1965. Kasem 501.

Hypnaceae

Ectropothecium dealbatum (Hornsch. et Reinw.) Jaeg. Doi Pui - Doi Sutep, on tree trunk in evergreen forest. Mar. 25, 1965. C.Chernsivathana 25.

Isoterygium albescens (Schwaegr.) Jaeg. Kao Yai, Saraburi, on ground in evergreen forest. Oct. 14, 1964. C.Chernsivathana 4; Pilock, Kanburi, c. 1000 m., growing on wet ground. Feb. 24, 1967. C.Chernsivathana 715.

Isoterygium micans (Sw.) Broth. Kao Yai, Saraburi, on ground in evergreen forest. Oct. 14, 1964. C.Chernsivathana 11.

Isoterygium textorii (Lac.) Mitt. Doi Pui - Doi Sutep, c. 1600-1100 m., on rock in evergreen forest. Mar. 25, 1965. C.Chernsivathana 34.

Taxiphyllum taxirameum (Mitt.) Fleisch. Hui Yang, Prachuap, on wet ground near waterfall. Oct. 24, 1964. C.Chernsivathana 13.

Vesicularia montagnei (Bel.) Broth. Doi Sutep, Chiangmai, on surface of rock near waterfall. Mar. 23, 1965. C.Chernsivathana 20.

Hylocomiaceae

Leptohymenium tenue (Hook.) Schwaegr. Doi Luang Chiengdoa, Chiengdoa, Chiengmai, growing on wet places, on rocks, in evergreen forest. Nov. 10, 1963. Adisai Chantanamuck 641.

Macrothamnium macrocarpum (Reinw. et Hornsch.) Fleisch. Doi Pui - Doi Sutep, on bark in evergreen forest. Mar. 25, 1965. C. Chermsirivathana 31.

Polytrichaceae

Pogonatum junghuhnianum (Doz. et Molk.) Bosch et Lac. Doi Sutep, Chiengmai, on bare soil. Mar. 25, 1965. C. Chermsirivathana 22; Pilock, Kanburi, c. 1000 m., on wet soil. Feb. 24, 1967. C. Chermsirivathana 706; same loc., on wet ground, with Garckea comosa and Dicranella brasiliensis. Feb. 24, 1967. C. Chermsirivathana 710.

In our first paper (Phytologia, 15(1): 61-70. 1967), the following typographical corrections should be made:

Caudalejeunia fruticosa (L. et G.) Steph.

Bartramidula bartramioides (Griff.) Wijk et Marg.

Taxithelium instratum (Brid.) Broth.